HISTORICAL FACILITY OVERVIEW
FOR BUILDING 442L, RAD OPS/GLOVEBOX CENTER

Building 442L (first named Building 42, later named Building 442, now labeled Building 442L) was first constructed as a Plant Laundry Facility in approximately 1953. Building 442L is located south of Central Avenue at Fifth Street. Building 442L now has an attached facility on the east side, Building 442W. Building 442L is approximately 41' wide X 61' long X 15' high, above grade; the concrete walls and footings extend approximately 3' below grade. Building 442L accounts for approximately 2484 square feet of floor space. The building has an 8" poured steel reinforced concrete floor and roof/deck. The building's outer walls are 12" thick poured steel reinforced concrete construction. The partition walls of three rooms on the south side of the building are constructed from concrete block. The north half of the concrete floor, has two built-in drainage gutters approximately 2' deep X 4' wide X 8 feet long (these have been covered in the buildings present configuration). The floor on the east side of the building has a pit built into the floor, which is assumed to have been a maintenance and/or a plumbing access pit (the pit is covered in the buildings present configuration).

Utilities for Building 442L include electricity, steam heaters, refrigerated air conditioning, steam supply and condensate return lines, and a Plant Fire Sprinkler System. Building 442L has three power transformer and it is not known if they contain any PCBs. Lead-based paints, which may have contained PCBs, may have been used during the construction of this facility. Asbestos was used during the construction of Building 442L and all the overhead steam and condensate pipes are labeled as to whether or not they contain asbestos. A new Classroom and Training Center Room has recently been constructed that has a drop acoustical tile ceiling that has been insulated.

Building 442L was originally constructed as a Plant Laundry for Buildings 123, 441, and Building 444 which means clothing was washed that was contaminated with depleted uranium and/or beryllium. Building 442L was then striped of all its laundry equipment and a high efficiency particulate air (HEPA) filter test and filter certification facility was installed. Building 442L also had a bench area where washed personnel respirators were tested for leakage and filtration efficiency. Dioctylphthalate (DOP) chemical (a suspect carcinogen or cancer-causing substance) was used for HEPA filter and respirator filter testing. It is not known of other chemicals were used or stored in Building 442L. Building 442L, because of its historic contaminated clothing laundry operations, falls under building contamination concerns, UBC-442. The soils or land where Building 442L is constructed sits or IHSS/PACs 400-7 and 400-157.1. There is no information that indicates any radioactive materials were ever stored in Building 442L. After operating approximately 10 years as a HEPA and respirator test facility, all of the testing equipment was removed and glovebox, lab hood, supplied-air tent, and tank training operations were installed. Training for glovebox/hoods, tanks, tents, and classroom training is how Building 442L is presently configured and used.

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D&D RISS Facility Characterization
Historical Site Assessment Report

Waste Volume Estimates and Material Types For Building 442L						
Concrete (cu ft)	Wood (cu ft)	Metal (cu ft)	Corrugated Sheet Metal (cu ft)	Wall Board (cu ft)	ACM	Other Waste
9712	500	585	260	300	400 cu ft Pipe Insulation, 120 cu ft Floor tile	Glass 45 cu ft, Insul 500 cu ft, carpet 60 cu ft, Ceiling tile 90 cu ft

Prepared By: Bob Sheets / _____ / _____
Print Name Signature Date

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